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APPLICATION NO.		FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/602,422	_	06/23/2003	Anthony Joseph Aiello	STL 3182	9594
36521	7590	09/03/2004		EXAM	INER
MOSER, P	ATTER	SON & SHERIDAN	FOOTLAND, LENARD A		
SEAGATE '	TECHNO	DLOGY LLC			
595 SHREWSBURY AVENUE				ART UNIT	PAPER NUMBER
SUITE 100			3682		
SHREWSBURY, NJ 07702				DATE MAILED: 09/03/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/602,422	AIELLO, ANTHONY JOSEPH					
Office Action Summary	Examiner	Art Unit					
	Lenard A. Footland	3682					
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet with the	correspondence address					
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mai earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a reply be tile 1.136(a). In no event, however, may a reply be tile 1.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, may a reply be tile 2.136(a). In no event, however, howev	mely filed ys will be considered timely. In the mailing date of this communication. ED (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on							
·_ · · · · · · · · · · · · · · · · · ·	is action is non-final.						
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) ☐ Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withdreds 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-18 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.						
Application Papers							
9) The specification is objected to by the Examin	ner.						
10)☐ The drawing(s) filed on is/are: a)☐ ad	ccepted or b) objected to by the	Examiner.					
Applicant may not request that any objection to the	• • • • • • • • • • • • • • • • • • • •	` '					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the I		· · · · · · · · · · · · · · · · · · ·					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document of the priority document of the copies of the priority document of the certified copies of the ce	nts have been received. nts have been received in Applicat fority documents have been receive au (PCT Rule 17.2(a)).	ion No ed in this National Stage					
Attachment(s)	_						
1) Notice of References Cited (PTO-892)	4)						
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date 6-23-03. 		ate Patent Application (PTO-152)					

Application/Control Number: 10/602,422

Art Unit: 3682

Claim(s) 3, 8, 13, 18-20 are rejected under 35 U.S.C. § 112, first and second paragraphs, as the claimed invention is not described in such full, clear, concise and exact terms as to enable any person skilled in the art to make and use the same, and/or for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

The terms "shallow", "sufficient" and "deep" are relative terms which renders the claim indefinite. They are not defined by the claim, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential steps, such omission amounting to a gap between the steps. See MPEP § 2172.01. The omitted steps are: any steps at all, "providing" not being a step.

The following is a quotation of the appropriate paragraphs of 35 U.S.C. § 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

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Claim(s) 1-4, 6-9, 11-14, 18-20 are rejected under 35 U.S.C. § 102(e), as being anticipated by Sakatani et al. The examiner finds all claimed subject matter to be present.

See Fig. 1.

Claim(s) 5, 10, 15, 17, are rejected under 35 U.S.C. § 102(e), as being anticipated by Asada et al. The examiner finds all claimed subject matter to be present.

See Fig. 1.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim(s) 16 is/are rejected under 35 U.S.C. § 103 as being unpatentable over Sakatani et al. as set forth in the rejection of claim(s) 1-4, 6-9, 11-14, 18-20 above, and further in view of official notice of common knowledge in the art, or, in the alternative, engineering design choice.

The examiner finds that it would have been obvious to one having ordinary skill in the art at the time the invention was made Art Unit: 3682

to provide the grooves on the bearing since it was known in the art to do so to provide the function(s) disclosed.

Alternatively, the examiner finds that the broad provision of this/these features *vis-à-vis* that/those disclosed by the reference solve(s) no stated problem insofar as the record is concerned and, accordingly, would have been an obvious matter of design choice. See *In re Kuhle*, 526 F.2d 553, 188 USPQ 7 (CCPA 1975).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-2168.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lenard A. Footland, whose telephone number is (703) 308-2683.

Fax: 703-872-9326

Application/Control Number: 10/602,422

Art Unit: 3682

Lenard A. Footland

Smad A Forther

Primary Examiner Technology Center 3600

Art Unit 3682

laf August 29, 2004